**Fluency Review Template**

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**Week:** 5

**Coding Topic:** Local Storage API

**Description of Understanding:** Local storage is a way to store data on the user’s computer. Similar to cookies, but it can store more information and does not have some of the shortcomings of cookies. Data can be stored about the state of an application or webpage, so when the user returns the most recent state can be restored. Local storage only stores strings in key value pairs, so if more complex items are to be stored they need to be in JSON string format.

**Teaching Video:** https://www.youtube.com/watch?v=E0zvewU9f9Q

**Starting at:** 0:45

**Also Integrated with:** DOM Manipulation

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| Topic5.html | https://dresen-tammy.github.io/topic5.html | A string, array, and associative array stored and retrieved from local storage. Then an object created using the retrieved elements, and then stored and retrieved from local storage. | Mine |
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**Coding Topic:** DOM Manipulation, Manipulating CSS Class properties with HTML

**Description of Understanding:** I integrated topic 6 and 7 together in the same page. The DOM is a document object model that turns an HTML document into a tree of objects with parents and children. The objects can be added, manipulated, and removed using JavaScript. Also the CSS properties can be manipulated for each object as well. Everything on the page is in the document. So to access an object, you can use document.getElementById() or several other methods. Then you can manipulate the object. You can add objects using createElement and appendChild or insertBefore, and can delete objects using removeChild or replaceChild. CSS properties can be manipulated using .style.propertyName = ‘value’;

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| Topic6.html (and 7) | https://dresen-tammy.github.io/topic6.html | Elements being added, removed, replaced, and changed. | Mine |
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**Coding Topic:** Creating CSS3 transitions and animations and triggering with Javascript

**Description of Understanding:** I have been a little under the weather, so I am still learning this topic. I have the transitions and animations done, but I am still working on manipulating them with JS. Transitions are changes in CSS properties over a set period of time. Animations are changes in CSS properties, but they are controlled by @keyframes that determine what happens when. They can be repeated a number of times or endlessly.

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| Topic8.html | https://dresen-tammy.github.io/topic8.html | Elements being changed by transitions and animations. | Mine |
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